



PCT09

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/09/763,329

TIME: 13:31:56

Input Set : A:\SEQLIST-US.txt

Output Set: N:\CRF3\05082002\I763329.raw

ENTERED

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4 <110> APPLICANT: Messing, Joachim
5   Lai, Jinsheng
7 <120> TITLE OF INVENTION: Compositions and Methods for Producing
8   High-Level Seed-Specific Gene Expression in Corn
11 <130> FILE REFERENCE: 99-0002 PCT
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/763,329
C--> 13 <141> CURRENT FILING DATE: 2001-02-22
13 <150> PRIOR APPLICATION NUMBER: US 60/098,034
14 <151> PRIOR FILING DATE: 1998-08-27
16 <150> PRIOR APPLICATION NUMBER: US 60/137,836
17 <151> PRIOR FILING DATE: 1999-06-07
19 <160> NUMBER OF SEQ ID NOS: 6
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 972
25 <212> TYPE: DNA
26 <213> ORGANISM: Zea mays
28 <400> SEQUENCE: 1
29   tagaaatatt tgtgttgtat cgaataatga gttgacatgc catcgcggtgt gactcattat      60
30   taacaataaa acaagtttcc tcttattatc tttttatata tctccctatc catttttgca      120
31   aagcccatata tcttttactc cctaagtccc aatatatatt agaccttaaa ttgtatgtct      180
32   atattcaaaa gaatgacaat aaatctagac atatatataa aacacataca ttaagtattg      240
33   tatgaatcta ttaaaatgct aaaacgacta atattatggg acggagggag tactttatta      300
34   gtagattaca ttgttatttt ctctattcca aatataagtc tggtttttca atcaatcaat      360
35   atatattacc atgtccaaac attttgaatt atatatctag gtgcagcatc cgtgcacgat      420
36   cgtaaaagaa gcagtcacgg tgttggtccc aaaaactaat cgtccggtgt cggtcaccta      480
37   taaagattca tgaagagaac caaaataagg caatataatt aatgtaatat gactcctcct      540
38   tttgaattac ttaggaataa cataagcaaa caaaaaagg agaagatcaa ggtaaataaa      600
39   ggcattttgt gagaaaacat ggaagcataa gaatgcataa gtaatgattt gtgtctcttt      660
40   atattttttt tattcacgtg aatttacata gataccatcg gatgttcgat ggtaatacaa      720
41   tgatgcctta gctccgagag cttcgaatga tgagcgattt aaaaatactc ctatcaattg      780
42   ttcgaaagtt ctttgtctca tgcattggca atgtacctct atttataggg acggtgacgac      840
43   gtacaaaatt gtataaaatt atatttttat tcccaaatcc tatgcatatg tgtcggggac      900
44   cataattagg ggtaccctca aggctcctaa ttctcagctg gtaaccccat cagcataaag      960
45   ctgcaaaggc ct
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 456
49 <212> TYPE: DNA
50 <213> ORGANISM: Zea mays
52 <400> SEQUENCE: 2
53   ccatggcagc caagatgctt gcattgttcg ctctcctagc tctttgtgca agcgccacta      60
54   gtgcgaccca tattccaggg cacttgccac cagtcatgcc attgggtacc atgaacccat      120
55   gcatgcagta ctgcatgatg caacaggggc ttgccagctt gatggcggtgt ccgtccctga      180

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56  tgctgcagca actgttggcc ttaccgcttc agacgatgcc agtgatgatg ccacagatga      240
57  tgacgcctaa catgatgtca ccattgatga tgccgagcat gatgtcacca atggtcttgc      300
58  cgagcatgat gtcgcaaata atgatgccac aatgtcactg cgacgccgctc tcgcagatta      360
59  tgctgcaaca gcagttacca ttcatgttca acccaatggc catgacgatt ccacccatgt      420
60  tcttacagca accctttgtt ggtgctgcat tctaga                                456

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62 &lt;210&gt; SEQ ID NO: 3

63 &lt;211&gt; LENGTH: 1102

64 &lt;212&gt; TYPE: DNA

65 &lt;213&gt; ORGANISM: Zea mays

67 &lt;400&gt; SEQUENCE: 3

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68  cgtcccgcgt caatattatt aaaaaactcc tacattttctt tataatcaac ccgcactctt      60
69  ataatctctt ctctactact ataataagag agtttatgta caaaataagg tgaaattatg      120
70  tataagtgtt ctggatattg gttgttggct ccatattcac acaacctaat caatagaaaa      180
71  catatgtttt attaaaacaa aatttatcat atatcatata tatatatata catatatata      240
72  tatatatata taaaccgtag caatgcacgg gcatataact agtgcaactt aatacatgtg      300
73  tgtattaaga tgaataagag ggtatccaaa taaaaaactt gttcgcttac gtctggatcg      360
74  aaaggggttg gaaacgatta aatctcttcc tagtcaaaat tgaatagaag gagatttaat      420
75  ctctcccaat ccccttcgat catccagggt caaccgtata agtcctaaag tggtagaggaa      480
76  cacgaaacaa ccattgcatt gcatgtaaag ctccaagaat ttggtgtatc cttacaact      540
77  cacagaacat caaccaaaat tgcacgtcaa ggggtattggg taagaaacaa tcaaacaact      600
78  cctctctgtg tgcaaagaaa cacgggtgagt catgccgaga tcatactcat ctgatataca      660
79  tgcttacagc tcacaagaca ttacaaacaa ctcatattgc attacaaaga tcgtttcatg      720
80  aaaaataaaa taggccggac aggacaaaaa tccttgacgt gtaaagtaaa tttacaacaa      780
81  aaaaaaagcc atatgtcaag ctaaatctaa ttctgttttac gtagatcaac aacctgtaga      840
82  aggcaacaaa actgagccac gcagaagtac agaattgattc cagatgaacc atcgacgtgc      900
83  tacgtaaaag gagtgacgag tcatatacat ttggcaagaa accatgaagc tgcctacagc      960
84  cgtctcgggt gcataagaac acaagaaatt gtgttaatta atcaaagcta taaataacgc      1020
85  tcgcatgcct gtgcacttct ccataccacc cactgggtct tcagaccatt agctttatct      1080
86  actccagagc gcagaagaac cc                                1102

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88 &lt;210&gt; SEQ ID NO: 4

89 &lt;211&gt; LENGTH: 1839

90 &lt;212&gt; TYPE: DNA

91 &lt;213&gt; ORGANISM: Zea mays

93 &lt;400&gt; SEQUENCE: 4

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94  aagcttgcct gcttgcaggt ccgtcccgcg tcaatattat taaaaaactc ctacattttct      60
95  ttataatcaa cccgcactct tataatctct tctctactac tataataaga gagtttatgt      120
96  acaaaataag gtgaaattat gtataagtgt tctggatatt ggttgttggc tccatattca      180
97  cacaacctaa tcaatagaaa acatatgttt tattaaaaa aaatttatca tatatcatat      240
98  atatatatat acatatatat atatatatat ataaaccgta gcaatgcacg ggcatataac      300
99  tagtgcaact taatacatgt gtgtattaag atgaataaga gggatatcaa ataaaaaact      360
100 tgttcgctta cgtctggatc gaaaggggtt ggaaacgatt aaatctcttc ctagtcaaaa      420
101 ttgaatagaa ggagatttaa tctctcccaa tcccttcga tcatccaggt gcaaccgtat      480
102 aagtcctaaa gtggtgagga acacgaaaca accatgcatt ggcatgtaaa gctccaagaa      540
103 tttgttgtat ctttaacaac tcacagaaca tcaacaaaaa ttgcacgtca aggggtattg      600
104 gtaagaaaca atcaaacaac tcctctctgt gtgcaaagaa acacggtgag tcatgccgag      660
105 atcatactca tctgatatac atgcttacag ctacaaagac attacaaaca actcatattg      720
106 cattacaaag atcgtttcat gaaaaataaa ataggccgga caggacaaaa atccttgacg      780
107 tgtaaagtaa atttacaaca aaaaaaagc catatgtcaa gctaaatcta attcgtttta      840
108 cgtagatcaa caacctgtag aaggcaacaa aactgagcca cgcagaagta cagaatgatt      900

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109 ccagatgaac catcgacgtg ctacgtaaag agagtgcga gtcataatac tttggcaaga      960
110 aaccatgaag ctgcctacag ccgtctcggg ggcataagaa cacaagaaat tgtgttaatt      1020
111 aatcaaagct ataaataacg ctgcatgcc tgtgcacttc tccatcacca ccactgggtc      1080
112 ttcagaccat tagctttatc tactccagag cgcagaagaa cccggactct agaggatccc      1140
113 ccatggcagc caagatgctt gcattgttcg ctctcctagc tctttgtgca agcgccacta      1200
114 gtgcgaccca tattccaggg cacttgccac cagtcatgcc attgggtacc atgaacccat      1260
115 gcatgcagta ctgcatgatg caacaggggc ttgccagctt gatggcgtgt ccgtccctga      1320
116 tgctgcagca actggttgcc ttaccgcttc agacgatgcc agtgatgatg ccacagatga      1380
117 tgacgcctaa catgatgtca ccattgatga tgccgagcat gatgtcacca atggtcttgc      1440
118 cgagcatgat gtcgcaaata atgatgccac aatgtcactg cgacgccgtc tcgcagatta      1500
119 tgctgcaaca gcagttacca ttcatgttca acccaatggc catgacgatt ccacccatgt      1560
120 tcttacagca accctttgtt ggtgctgcat tctagagtcg acctgcaggc atgcaagctc      1620
121 gagtttctcc ataataatgt gtgagtagtt cccagataag ggaattaggg ttcttatagg      1680
122 gtttcgtca cgtgttgagc atataagaaa cccttagtat gtatttgtat ttgtaaaata      1740
123 cttctatcaa taaaatttct aattcctaaa accaaaatcc agtactaaaa tccagatcac      1800
124 ctaaaagtccc tatagatccg aattcgcggc cgcaagctt      1839
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 133
128 <212> TYPE: DNA
129 <213> ORGANISM: Zea mays
131 <400> SEQUENCE: 5
132 atattgcatt acaaagatcg tttcatgaaa aataaaatag gccggacagg acaaaaatcc      60
133 ttgacgtgta aagtaaattt acaacaaaaa aaaagccata tgtcaagcta aatctaattc      120
134 gttttacgta gat      133
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 31
138 <212> TYPE: DNA
139 <213> ORGANISM: Zea mays
141 <400> SEQUENCE: 6
142 tcaagctaaa tctaattcgt tccacgtaga t      31

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**VERIFICATION SUMMARY**

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Input Set : A:\SEQLIST-US.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date